



NORTH CAROLINA
MOVING AHEAD!

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Traffic Engineering Conference for Operations and Safety

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PROGRAM GOAL

The goal of the North Carolina Moving Ahead Program is to improve safety and mobility on North Carolina's highways by preserving, modernizing, and improving the maintenance of the state highway system. Public transportation systems will also be upgraded.

BACKGROUND

- Program announced by Governor Easley in February 2003.
- Legislation was ratified and signed into law on August 7, 2003.
(House Bill 48)
- First Contracts were let in August 2003.

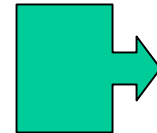
BACKGROUND

- Funding breakdown:

\$70 million to Public Transportation projects.

\$560 million to Highway projects.

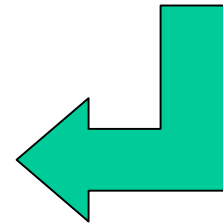
\$70 million to Bridge projects.

 \$630 million

- By Year:

\$270 million to Year 1 (FY 2004).

\$360 million to Year 2 (FY 2005).



- Funds allocated to NCDOT divisions based on G.S. 136-17.2A (Equity Formula).

PROJECT SELECTION CRITERIA

Criteria considered in project selection were:

- Traffic flow.
- Traffic volume.
- Crash history.
- Pavement condition.
- Pavement (lane) widths.
- Shoulder width.
- Bridge sufficiency rating and functional obsolescence (width).

PROJECT SELECTION CRITERIA

Other criteria considered in project selection were:

- Minimization of environmental impacts.
- Minimization of additional right-of-way.
- Ability to complete or have under contract in two years.
- Coordination with other projects and existing programs to expand the impact of the program.
- Corridor assessment with coordination between divisions.
- Currently funded TIP projects were not eligible.

TYPICAL IMPROVEMENTS:

- Widening narrow roads.



TYPICAL IMPROVEMENTS:

- Wider lanes.
- Elimination of shoulder drop-offs.



TYPICAL IMPROVEMENTS:

- Construction of turn lanes.



TYPICAL IMPROVEMENTS:

- Construction of turn lanes.



TYPICAL IMPROVEMENTS:

- Replacing substandard, narrow and deficient bridges.



TYPICAL IMPROVEMENTS:

- Installing/upgrading pavement markings and markers.
- Upgrading and coordinating signals.



DESIRED OUTCOMES:

- Enhance safety.
- Reduce congestion.
- Reduce accidents.
- Reduce fatal crashes.
- Improve the safety and operation of intersections.
- Provide wider and smoother pavements.
- Extend pavement life.
- Rehabilitate or replace deficient bridges.
- Enhance night time visibility.

PROGRAM DELIVERY:

- Planning: 840 Total Projects.
2200 Miles of Roadway.
155 Bridge Replacements.
- To Date: \$175.8 M in Construction Projects.
\$105.9 M Raleigh Let.
\$ 69.9 M Division Let.

Plus \$13.5 M Consultants.



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Questions?

TYPICAL IMPROVEMENTS:

- Widening two-lane roads.



TYPICAL IMPROVEMENTS:

- Constructing turn lanes.

TYPICAL IMPROVEMENTS:

- Resurfacing and rehabilitating road pavements.



TYPICAL IMPROVEMENTS:

- Improving sight distance.
- Improving horizontal and vertical alignments.



TYPICAL IMPROVEMENTS:

- Widening narrow shoulders.





PROPOSED IMPLEMENTATION SCHEDULE

- Currently, 915 projects are proposed for the two-year program:
 - 724 Highway projects (approximately 2400 miles).
 - 191 Bridge projects.
- Project Development began upon the passage of Legislation.
- Goal to have most of Year 1 Allocation under contract by March 2004 and balance by end of June 2004.
- Contracts for the remaining \$360 million to be let starting in July 2004.







